

A b s t r a c t

Disclosed is a protein having a splicing factor activity in plants, which

5 Ⓢcomprises the amino acid sequence of the protein according to Fig. 1A, or

Ⓢcomprises the sequence of the amino acids 1 to 4, 7 to 19, 45 to 52, 111 to 116, and 149 to 153 of the protein according to Fig. 1A and has more than 85% similarity
10 with this protein, or

Ⓢcomprises more than 60% similarity with the splice proteins atSRp34/SR1 and SF2/ASF according to Fig. 2, wherein the G-rich sequence, which corresponds to the amino acids 85 to 113 of the atSRp34/SR1 protein is
15 substituted by an S-rich sequence, or

Ⓢcorresponds to, or is derived from, the protein corresponding to Fig. 1A from a plant other than *Arabidopsis thaliana*.

20 Fig. 1